



ABSTRACT

The invention provides olefin polymerization catalysts exhibiting excellent polymerization activities. The olefin polymerization catalysts of the invention contain a transition metal compound of and at least one of an organometallic compound, an organoaluminum oxy-compound or a compound which reacts with said transition metal compound to form an ion pair. The inventive catalysts are useful in producing α -olefin/conjugated diene copolymers having specific properties.